EMERGENCY PROCEDURES

1981 Cessna 182R N9517H

Bold-faced type are immediate action items which should be committed to memory.

Engine Failure During Takeoff Roll

1. **Throttle.....Idle**
2. **Brakes.....Apply**
3. Flaps ..... Retract
4. Mixture .....Idle Cut Off
5. Ignition Switch..... Off
6. Master Switch ..... Off

Engine Failure Immediately After Takeoff

1. **Airspeed.....**
   75 KIAS (Flaps Up)
   70 KIAS (Flaps Down)
2. Mixture.....Idle Cut Off
3. Fuel Selector ..... Off
4. Ignition..... Off
5. Flaps.....As Required (Full Recommended)
6. Master Switch..... Off

Engine Failure During Flight (Restart)

1. **Airspeed..... 75 KIAS**
2. **Carb Heat .....On**
3. **Fuel Selector.....Both**
4. Mixture.....Rich
5. Ignition..... Both (or START if propeller is stopped)
6. Primer.....In & Locked

Forced Landing w/o Engine Power

1. Airspeed..... 75 KIAS (Flaps Up)
   70 KIAS (Flaps Down)
2. Mixture ..... Idle Cut Off
3. Fuel Selector.....Off
4. Ignition .....Off
5. Flaps ..... As Required (Full Recommended)
6. Master Switch .....Off
7. Doors ..... Unlatch
8. Touchdown ..... Slightly Tail Low
9. Brakes.....Apply Heavily

Precautionary Landing With Engine Power

1. Airspeed..... 75 KIAS
2. Wing Flaps .....20°
3. Select Field .....Perform Fly Over Inspection
4. Electrical Switches .....Off
5. Flaps .....40º on Final Approach
6. Airspeed..... 70 KIAS
7. Avionics & Master Switches..... Off
8. Doors ..... Unlatched Prior To Touchdown
9. Touchdown ..... Slightly Tail Low
10. Ignition Switch .....Off
11. Brakes .....Apply Heavily

Engine Fire During Start

1. **Continue Cranking Engine**
2. If Engine Starts: ..... Power 1700 RPM for 60 Seconds
3. Engine.....Shutdown and Inspect

If Engine Fails to Start:

4. **Throttle..... Full Open**
5. **Mixture .....Idle Cut Off**
6. **Cranking .....Continue**
7. **Fire Extinguisher .....Obtain**
8. **Master/Ignition/Fuel..... Off**
9. **Fire.....Extinguish**
10. Fire Damage.....Inspect

Engine Fire in Flight

1. **Mixture..... Idle Cut Off**
2. **Fuel Selector.....Off**
3. Master Switch.....Off
4. Cabin Heat & Air.....Off (Except Overhead Vents)
5. Airspeed ..... 100 KIAS (If fire is not extinguished, increase glide speed to find an airspeed, which will provide an incombustible mixture.)
6. Forced Landing w/o Engine Power .....Execute

Electrical Fire in Flight

1. **Master Switch ..... Master Switch .....Off (Leave Ignition On)**
2. **Avionics Power Switch.....Off**
3. **All Other Switches (Except Ignition).....Off**
4. **Vents/Cabin Air/Heat.....Closed**
5. **Fire Extinguisher.....Activate**

Warning
After discharging an extinguisher within a closed cabin, ventilate the cabin.

If fire is extinguished & electrical power is required.

6. Master Switch.....On
7. Circuit Breakers..... Check for Faulty circuit (Do Not Reset)
8. Radio Switches.....Off
9. Avionics Power Switch…On
10. Radio/Electrical Switches on one at a time w/ delay after each to locate short.
11. Vent cabin when assured fire is extinguished

Cabin Fire

1. **Master Switch.....Off (Leave Ignition On)**
2. **Vents/Cabin Air/Heat ..... Closed**
3. **Fire Extinguisher ..... Activate**

Warning
After discharging an extinguisher within a closed cabin, ventilate the cabin.

4. Land.....As soon as possible and inspect damage

Wing Fire

1. **Navigation Lights..... Off**
2. **Strobe Lights..... Off**
3. **Pitot Heat ..... Off**
4. **Landing/Taxi Lights..... Off**

Note

Sideslip to keep flames away from the fuel tank and cabin, and land as soon as possible using flaps only as required for final approach and touchdown.

CAP
U.S. AIR FORCE AUXILIARY

Icing

1. **Pitot Heat.....On**
2. **Turn back or change altitude** to obtain an outside air temp that is less conducive to icing.
3. **Pull cabin heat control to full and rotate defroster control clockwise** to obtain maximum defroster airflow.
4. Increase Engine Speed to minimize ice build-up on propeller blades
5. Watch for signs of carburetor air filter ice and apply carburetor heat as required. An unexplained loss of manifold pressure could be caused by carburetor ice or air intake filter ice. Lean the mixture if carb heat is used continuously.
6. Plan a landing at the nearest airport. With an extremely rapid ice build-up, select a suitable "off airport" landing site.
7. With ice accumulation of ¼ inch or more on the wing leading edges, be prepared for significantly higher stall speed.
8. Leave wing flaps retracted. With a severe ice build-up on the horizontal tail, the change in wing wake airflow direction caused by wing flap extension could result in a loss of elevator effectiveness.
9. Open left window and if practical scrape ice from a portion of the windshield for visibility in landing approach.
10. Perform landing approach using a forward slip, if necessary, for, improved visibility.
11. Approach at 80 to 90 KIAS depending upon the amount of accumulation.
12. Perform a landing in level attitude.

Ditching

1. Radio.....Transmit Mayday on 121.5 giving location and intentions and squawk 7700.
2. Heavy Objects.....Secure or Jettison.
3. Flaps .....20º to 40º
4. Power.....Est. a 300 FPM descent at 65 KIAS.
5. Approach
   High winds, heavy seas ..... Into the Wind.
   Light winds, heavy swells ..... Parallel to swells.

   Note

   If no power is available, approach at 75 KIAS with flaps up or at 70 KIAS with 10º flaps.
6. Cabin Doors ..... Unlatch
7. Touchdown .....Level attitude at established descent rate.
8. Face .....Cushion at touchdown with folded coat.
9. Airplane.....Evacuate through Cabin doors. If necessary, open window and flood cabin to equalize pressure so doors can be opened.
10. Life vests and raft.....Inflate

For all other Emergency Abnormal Procedures. See the POH Section 3.

Airspeeds for Emergency Operations

Engine Failure After Takeoff:
Wing Flaps Up -- 75 KIAS
Wing Flaps Down -- 70 KIAS

Maneuvering Speed:
3100 Lbs -- 111 KIAS
2600 Lbs – 102 KIAS
2000 Lbs – 88 KIAS

Maximum Glide:
3100 Lbs – 76 KIAS
2600 Lbs – 70 KIAS
2000 Lbs – 61 KIAS

Precautionary Landing With Engine Power – 70 KIAS

Landing Without Engine Power:
Wing Flaps Up – 75 KIAS
Wing Flaps Down – 70 KIAS

This checklist is a guide to coordinate Pilot Operating Handbook and STC data applicable to this particular aircraft only. The applicable Pilot Operating Handbook and STC installations remain the official documentation for this aircraft.
The pilot in command is responsible for complying with all items in the Pilot Operating Handbook and applicable STCs.

I certify this checklist has been reviewed for accuracy.

//s// Col. Dalton Smith **01/20/2006**

Wing Director of Maintenance **Date**